

~~TOP SECRET~~

OAK

19196

PHOTOGRAPHIC INTERPRETATION REPORT



DECLASS REVIEW by NIMA/DOD

MISSION 1023-2
23-26 AUGUST 1965

PART II

TCS-81150/65
AUGUST 1965
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TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

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OAK - PART II MISSION 1023-2

PREFACE

THIS IS THE SECOND AND FINAL OAK REPORT ON MISSION 1023-2 AND PROVIDES INFORMATION ON THOSE COMMITTEE ON OVERHEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH), D FOR DESCENDING (NORTH-TO-SOUTH), OR M FOR A MIXED ASCENDING AND DESCENDING PASS. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), S (SNOW), O (OBLIQUITY), SD (SEMI-DARKNESS), GC (GROUND COVER), CF (CAMOUFLAGE), AND GR (GROUND RESOLUTION).

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF PHOTOGRAPHIC COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS INDICATED BY ST (STEREO), NS (NON-STEREO), OR PS (PARTIAL STEREO).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY IS BEING ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERIS DATA. CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR ALTERATIONS.

25X1D

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Highlights

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HIGHLIGHTS

1. TYURATAM MISSILE TEST CENTER [REDACTED] 25X1A

AT LAUNCH COMPLEX C, A BUILDING SIMILAR TO THE BUILDINGS WITH RAILS ENTERING THEM AT LAUNCH COMPLEX H HAS BEEN CONSTRUCTED.

AT LAUNCH COMPLEX J, THE EXCAVATION AT J2 APPEARS TO BE AT APPROXIMATELY THE SAME DEPTH AS THE ONE AT J1.

AT LAUNCH GROUP L, ALL SITES ARE BACKFILLED AND PAVED IN THE VICINITY OF THE SILO.

2. MOSCOW SUSPECT ABM AREA [REDACTED] 25X1A

THE PREVIOUSLY REPORTED PROBABLE SECOND BUILDING TRIAD UNDER CONSTRUCTION CAN NOW BE CONFIRMED.

3. PEIPING PROBABLE SAM SITE (MISSILE BONUS)

A PROBABLE SA-2 SAM SITE IS LOCATED AT 39-48N 117-02E.

4. PRILUKI AIRFIELD [REDACTED] 25X1A

A PROBABLE DRIVE-THROUGH BUILDING IS UNDER CONSTRUCTION WITHIN THE WEAPONS LOADING AREA.

5. ORSHA AIRFIELD SOUTHWEST [REDACTED] 25X1A

A NEWLY IDENTIFIED DRIVE-THROUGH, T-SHAPED BUILDING IS LOCATED 1 NM SOUTH OF THE CENTER OF THE RUNWAY.

6. KIPELOVO AIRFIELD [REDACTED] 25X1A

FIVE PROBABLE BEAR ARE IDENTIFIED. CONSTRUCTION CONTINUES.

7. VORONEZH AIRCRAFT ASSEMBLY PLANT 64 [REDACTED] 25X1A

FIVE FIDDLER AIRCRAFT OBSERVED AT THE PLANT. CONSTRUCTION AT THE PLANT CONTINUES.

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8. KIROVSKOYE AIRFIELD [REDACTED] 25X1A

A POSSIBLE AAM STORAGE SITE CONTAINING 2 DRIVE-THROUGH BUILDINGS IS JUST SE OF THE SE END OF RUNWAY.



25X9

10. RADAR TRACKING FACILITIES (ELECTRONICS BONUS)

NEWLY IDENTIFIED H-SHAPED RADAR TRACKING FACILITIES ARE LOCATED 1 NM NE OF TOLMACHEVO AND 10 NM SE OF ELISENVAARA AND 16 NM WEST OF VYBORG, ALL IN THE VICINITY OF LENINGRAD.

11. CHAADAYEVKA SENSITIVE OPERATIONS COMPLEX [REDACTED]

25X1A

A NEW BUNKER IS UNDER CONSTRUCTION APPROXIMATELY 2,600 FT NE OF BUNKER 1, AND ANOTHER IS UNDER CONSTRUCTION 3,000 FT WNW OF BUNKER 4. A NEW BUNKER EXCAVATION IS APPROXIMATELY 3,000 FT EAST OF BUNKER 4.

STATUS OF COMOR TARGET READOUT

SIXTY-TWO COMOR TARGETS WERE OBSERVED IN THE OAK REPORTING PERIOD AND ARE CONTAINED IN THIS OAK.

TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY OBSERVED ON MISSION 1023-2 IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES --

- TABLE 1 -- SOVIET ICBM DEPLOYMENT
- TABLE 2 -- SOVIET MRBM AND IRBM DEPLOYMENT
- TABLE 3 -- SAM AND AMM/SAM DEPLOYMENT
- TABLE 4 -- NUCLEAR ENERGY ACTIVITY
- TABLE 5 -- AIRCRAFT ACTIVITY
- TABLE 6 -- SUBMARINE ACTIVITY

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TABLE 7 -- DATE AND TIME OF PHOTOGRAPHIC PASSES

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Table 1. Soviet ICBM Deployment MISSION (1023-2)

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Complex	Launch Area																				Total Silo Shots	Total Silo Shots	Total Single Shots	Total Launch Twins
Alekt	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	6	6	6	6
Dorbovskiy	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	11(14)	11(14)	11(14)	11(14)
Dorbovskiy	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	3	23	20	35
Gladkaya	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	2	15(64)	14(64)	21(64)
Insel Gostello	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	11	11	11	11
Isaia	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	3	3	3	3
Kazaly	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	13(24)	13(24)	13(24)	13(24)
Kozroma	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	6	1	1	15
Kozlak	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	3	2	2	12
Novosibirsk	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	3	2	2	12
Olyonnaya	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	38	35	35	44
Onak	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	1	1	1	3
Perm	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	5	14(24)	13(24)	26(24)
Plesetsk*	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	10*	1	1	19
Shadrinsk	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	3	3	3	9
Sokolovskiy	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	7	1	1	17
Taiashchevo	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	51(34)	52(34)	51(34)	51(34)
Teykovo	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	6	6	6	12
Tyumen	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	2	2	2	4
Udsk	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	17	17	17	17
Verkhnyaya Salda	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	7	2	2	20
Vedovo	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	6	2	2	18
Yoshkar-Ola	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	6	6	6	12
Yurya	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	8	3	3	25
Zhangji-Toke	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	9	9	9	9
Tyumen MTC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	77	207(144)	181(144)	409(144)
Grand Total	89	228(144)	200(144)	438(144)																	12	21	19	49

*Includes Launch Points I-IV, complete, but does not include 2 SSM pads at Launch Area F
 **Carried as Launch Group
 a Possible

Construction Status (C-complete, L-late, M-mid, E-early)
☐ Newly Identified

★ Dropped From Listings
 ○ Covered by current mission

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Table 2. Soviet MRBM and IRBM Deployment

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	120	11	18	11	160	627
Caucasus	3		2	3	8	29
Central Asia	2	3	1	3	9	33
Far Eastern	10	1		1	12	47
Totals	135	15	21	18	189	736

Totals do not include 86 fixed field-type sites with total of 322 launch positions and one launch facility at Sovetskaya Gavan.

25X6

25X6

Table 3. SAM and AMM/SAM Deployment

		Country																Totals
		USSR	Albania	Bulgaria	Czechoslovakia	[REDACTED]	Hungary	Poland	Rumania	Yugoslavia	China	North Korea	Indonesia	Egypt	Cuba	India	North Vietnam	
SA-0	} SAM sites	14																14
SA-1		56																56
SA-2		1016*	2	19	24	53	16	30	18	4	19	2	5	26	22**	12	18	1286
SA-3		112						1										113
SA-2 SAM Support Facilities		192	1	4	6	5	3	6	3	1		1	1	4	6	3		237
SA-3 SAM Assembly Facilities		12																12
AMM/SAM Complexes		8																8

*Does not include 4 alternate sites, USSR.

**Does not include 25 abandoned sites.

TOTALS AS OF MISSION (1023-2)

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Table 1. Aircraft Activity

Airfield	PREVIOUS SIGNIFICANT AIRCRAFT COUNT					OBSERVED THIS MISSION (1023-2)				
	BEAR	BEAR	BEAR	BEAR	TOTALS	BEAR	BEAR	BEAR	BEAR	TOTALS
Abkhazsk/Vladimirovka	1	0	0	0	1	0	0	0	0	0
Alchagyska	1	0	0	0	1	0	0	0	0	0
Anadyr/Lestoba	0	0	0	0	0	0	0	0	0	0
Asavro Gorodishche	0	0	0	0	0	0	0	0	0	0
Azhangsk/Kholm	0	0	0	0	0	0	0	0	0	0
Artem North	0	0	0	0	0	0	0	0	0	0
Baranovichi *	0	0	0	0	0	0	0	0	0	0
Belaja	0	0	0	0	0	0	0	0	0	0
Belaja Tserkov	0	0	0	0	0	0	0	0	0	0
Belovye*	0	0	0	0	0	0	0	0	0	0
Borja Northwest	0	0	0	0	0	0	0	0	0	0
Bython *	0	0	0	0	0	0	0	0	0	0
Chaparka*	0	0	0	0	0	0	0	0	0	0
Chervon-Golovye *	0	0	0	0	0	0	0	0	0	0
Dobn *	0	0	0	0	0	0	0	0	0	0
Engle *	0	0	0	0	0	0	0	0	0	0
Golmana	0	0	0	0	0	0	0	0	0	0
Gomel/Vityay	0	0	0	0	0	0	0	0	0	0
Kalitin *	0	0	0	0	0	0	0	0	0	0
Kaliningrad/Fomere	0	0	0	0	0	0	0	0	0	0
Karabuk *	0	0	0	0	0	0	0	0	0	0
Krasn Airframe Plant Gubonov 22	0	0	0	0	0	0	0	0	0	0
Khorol East	0	0	0	0	0	0	0	0	0	0
Mai-Yar	0	0	0	0	0	0	0	0	0	0
Meliosol	0	0	0	0	0	0	0	0	0	0
Minsk/Machulishche *	0	0	0	0	0	0	0	0	0	0
Mirgorod	0	0	0	0	0	0	0	0	0	0
Mordok *	0	0	0	0	0	0	0	0	0	0
Nagorskoye	0	0	0	0	0	0	0	0	0	0
TOTALS	87	96	134	1134	1475	42	74	538	990	1674

25X9

*POSSIBLE **PROBABLE ***DANGER/CAMEL B/C BEAR/CLAT B/D BEAR/DSON

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25X1D

Table 6. Submarine Activity.

Date	Previous Submarine Count										Observed this Mission (1023-2)										TOTALS
	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	SSgt. Ruff	
Balaklava																					
Bukhta																					
Konyashkova																					
Dunay																					
Ozkiy																					
Guba Lita																					
Guba Olonya																					
Guba Sayda																					
Guba Ura																					
Iokanga																					
Komomolok																					
Kronstadt																					
Leningrad																					
Liepaja																					
Magedan																					
Pechanga																					
Petrovskiy																					
Petrovia																					
Polanyay																					
Riga																					
Rosta																					
Sevastopol																					
Severodvinsk																					
Severomorsk																					
Sovetskaya																					
Oavan																					
Tallinn																					
Vladimir																					
Vladivostok																					
Zaliv Strelak																					
TOTALS																					

1 POSSIBLE, 1 PROBABLE

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Missiles

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MISSILES

25X1A

TYURATAM MISSILE TEST CENTER-

UR 4538N 06317E

LAUNCH COMPLEX A (SITES 1 AND 15) -- NO SIGNIFICANT CHANGE IN FACILITIES. A VEHICLE/PIECE OF EQUIPMENT IS POSITIONED ON THE APRON IN FRONT OF THE SILO AT A3.

LAUNCH COMPLEX B (SITES 2, 16, AND 17) -- THE 4 BUILDINGS PREVIOUSLY REPORTED UNDER CONSTRUCTION APPROXIMATELY 1,000 FT EAST OF PAD B1 APPEAR TO BE COMPLETE. NO OTHER SIGNIFICANT CHANGE IN FACILITIES.

LAUNCH COMPLEX C (SITE 3) -- A PROBABLE MISSILE IS ERECTED ON PAD C3. AN EARTH-MOUNDED BUILDING WITH A RAIL ENTERING IT HAS BEEN CONSTRUCTED NEXT TO, AND ON THE SOUTH SIDE OF THE 2 MISSILE READY BUILDINGS IN THE SUPPORT AREA. THE BUILDING IS SIMILAR TO THE BUILDINGS WITH RAILS ENTERING THEM AT LAUNCH COMPLEX H (SITE 8). FIRST EVIDENCE OF THIS CONSTRUCTION WAS ON

25X1D

25X1D

LAUNCH COMPLEX D (SITES 4 AND 9) -- A ROAD HAS BEEN EXTENDED FROM THE COMPLEX MAIN ROAD TO THE CONSTRUCTION ACTIVITY IN THE SOUTH END OF SITE D2. NO OTHER SIGNIFICANT CHANGE IN FACILITIES. THE AREA OF CONSTRUCTION ACTIVITY APPROXIMATELY 6 NM WEST OF COMPLEX D IS IDENTIFIED AS A PROBABLE STORAGE AREA. IT IS DOUBLE SECURITY FENCED AND CONTAINS 20 SMALL, DISPERSED BUT EVENLY SPACED STRUCTURES, 7 OF THESE ARE PROBABLY EARTH MOUNDED.

LAUNCH COMPLEXES E (SITE 6) AND F (SITE 5) --NO SIGNIFICANT CHANGE.

LAUNCH COMPLEX G (SITES 7, 11, 12, 18, AND 19) --THE GANTRY ASSOCIATED WITH LAUNCH AREAS G5-G6 (SITE 12) IS POSITIONED ON PAD G6, AND TWO PIECES OF EQUIPMENT ARE POSITIONED ON PAD G5. THE GANTRIES ASSOCIATED WITH LAUNCH AREAS G1-G2 (SITE 7) AND G3-G4 (SITE 11) ARE POSITIONED TO THE REAR OF THE PADS. NO SIGNIFICANT CHANGE OBSERVED AT ANY OF THE ELEMENTS OF COMPLEX G, HOWEVER, INTERPRETATION IS HINDERED BY CLOUDS AND CLOUD SHADOW.

LAUNCH COMPLEXES H (SITE 8) AND I (SITE 14) --NO SIGNIFICANT CHANGE.

LAUNCH COMPLEX J (SITE 31) -- CONSTRUCTION CONTINUES.

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THE EXCAVATION AT J2 APPEARS TO BE AT APPROXIMATELY THE SAME DEPTH AS THE ONE AT J1. A RECTANGULAR STRUCTURE WITH A CIRCULAR CONFIGURATION IN ITS CENTER IS UNDER CONSTRUCTION IN THE BOTTOM OF J1. THERE ARE NOW 9 BUILDINGS BETWEEN J1 AND J2 AND FOOTINGS FOR SEVERAL MORE. THE RIGHT FORK OF THE RAIL HAS BEEN EXTENDED TO A POINT NE OF J1. AN AREA OF UNIDENTIFIED CONSTRUCTION IS LOCATED APPROXIMATELY 3.2 NM SSW OF THE ASSEMBLY/CHECKOUT BUILDING. DITCHING CONNECTS COMPLEX J AND THIS UNIDENTIFIED CONSTRUCTION.

LAUNCH COMPLEX K (SITES 13 AND 20) -- CONSTRUCTION CONTINUES. THE SILO AT K2 APPEARS TO BE NEAR GROUND LEVEL. A PIECE OF EQUIPMENT IS ADJACENT TO THE SILO AT K3. NO SIGNIFICANT CHANGE IN FACILITIES.

LAUNCH GROUP L (SITES 21 THROUGH 30) -- ALL SITES ARE BACKFILLED AND PAVED IN THE VICINITY OF THE SILO. NO SILO DOORS CAN BE IDENTIFIED. SOME OF THE CABLE DITCHES CONNECTING THE SITES ARE STILL OPEN. SMALL DARK UNIDENTIFIED OBJECTS ARE LOCATED ADJACENT TO EACH SILO ON THE WEST SIDE OF THOSE ORIENTED NORTH, AND ON THE SOUTH SIDE OF THOSE ORIENTED WEST. AT SEVERAL SITES CABLE DITCHING EXTENDS FROM THE SILO TO THE EARTH MOUNDED BUILDING.

25X9

NO SIGNIFICANT CHANGES OBSERVED AT THE [REDACTED] FACILITY, THE PROPELLANT PRODUCTION PLANT, THE INTERFEROMETER UNDER CONSTRUCTION, OR THE MAIN SUPPORT BASE.

(SEE ATTACHMENTS)

25X1D

[REDACTED]

25X1A

KOSTROMA ICBM COMPLEX

UR 5746N 0410E [REDACTED]

NO SIGNIFICANT CHANGE OR ACTIVITY OBSERVED AT THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, OR THE 7 LAUNCH AREAS.

25X1D

[REDACTED]

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AKHTYRKA MRBM LAUNCH SITE 1

UR 5015N 03450E

NO HARDENED IRBM SITE OBSERVED. LARGE PORTION OF THE
SW QUADRANT OF THE SEARCH AREA IS NOT COVERED.
REMAINDER OF THE SEARCH AREA IS CLOUD FREE.

25X1D

MARINA GORKA MRBM LAUNCH SITE

UR 5326N 02745E

25X1D

NO APPARENT CHANGE SINCE

25X1D

BEREZA IRBM LAUNCH SITE

UR 5143N 03343E

25X1D

NO APPARENT CHANGE SINCE

25X1D

VORONEZH ROCKET ENGINE TEST FACILITY

UR 5134N 03908E

25X1D

NO SIGNIFICANT CHANGE IN FACILITIES SINCE

25X1D

25X1D

NO NEW CONSTRUCTION ACTIVITY OBSERVED. CONSTRUCTION
CONTINUES IMMEDIATELY SE OF THE LARGEST TEST STAND (NO
1) AND JUST NE OF THE OLDER TEST CELLS. THE BLAST SCAR
AND STAIN IN THE SUMP AT STAND NO 1, FIRST OBSERVED ON
IS STILL EVIDENT. CONTINUING TEST
ACTIVITY AT THE OLDER TEST CELLS IS INDICATED BY A NEW
DARK STAIN IN 1 OF THE BLAST PITS WHERE SIMILAR STAINS
HAVE PREVIOUSLY BEEN OBSERVED. NO INDICATION OF THE
TYPES OF MISSILES BEING TESTED IS DISCERNIBLE.

25X1D

PEIPING RKT ENG TEST FAC CHANG-HSIN-TIEN

CH 3950N 11608E

25X1D

NO APPARENT CHANGE SINCE

THE NE 60 PERCENT OF THE 50-NM SAM SEARCH AREA IS
COVERED BY PHOTOGRAPHY WITH SCATTERED CLOUDS. A
PROBABLE SA-2 SAM SITE UNDER CONSTRUCTION IS IDENTIFIED
30.5 NM ESE OF PEIPING. (SEE MISSILE BONUS)

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

25X1D

[REDACTED]

25X1A

ORENBURG AIRFRAME PLANT. 47

UR 5148N 05507E

25X1D

CHANGES SINCE [REDACTED] INCLUDE 3 NEW BUILDINGS UNDER CONSTRUCTION IN THE EAST SIDE OF THE PLANT, 2 ARE PROBABLE SHOP BUILDINGS AND THE OTHER A LARGE (APPROXIMATELY 450,000 SQ FT) ASSEMBLY/MACHINE SHOP. THE FENCE ON THE WEST SIDE OF THE PLANT HAS BEEN ALTERED FOR FURTHER PLANT EXPANSION. THREE OF THE 5 SHOP/SUPPORT BUILDINGS OBSERVED UNDER CONSTRUCTION ON [REDACTED] NOW APPEAR TO BE COMPLETE. QUALITY OF PHOTOGRAPHY PRECLUDES IDENTIFICATION OF MISSILES, MISSILE EQUIPMENT OR LARGE RAIL CARS.

25X1D

AIRCRAFT -- NONE OBSERVED.

25X1D

[REDACTED]

KAMENSK-SHAKHTINSKIY RKT MOTOR TEST FAC

UR 4819N 04016E

25X1D

NO APPARENT CHANGE SINCE [REDACTED]

25X1D

[REDACTED]

OPAVA POSSIBLE MRBM SITE

CZ 4957N 01755E

A MAJOR PORTION OF THE SOUTHWESTERN QUADRANT IS NOT COVERED. THE NORTHEASTERN QUADRANT IS COVERED BY HEAVY CLOUDS. NO SSM ACTIVITY OBSERVED IN THE CLOUD-FREE PORTIONS OF THE SEARCH AREA.

25X1D

[REDACTED]

OSTROG PROB INDUSTRIAL INSTALLATION

UR 5025N 02631E

IDENTIFICATION ONLY.

25X1D

[REDACTED]

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

FCS-81150/65

25X1A

BALABANOVO SUSPECT MISSILE ACTIVITY

UR 5511N 03640E

NO MISSILE-ASSOCIATED ACTIVITY IDENTIFIED IN CLOUD-FREE PORTIONS OF 25-NM-RADIUS SEARCH AREA WHICH IS APPROXIMATELY 15 PERCENT CLOUD COVERED.

25X1D

MOSCOW SUSPECT ABM AREA

UR 5545N 03737E

25X9

APPROXIMATELY 70 PERCENT OF SEARCH AREA OBSERVED. NO NEW SARY-SHAGAN OR LENINGRAD-TYPE INSTALLATIONS, ELECTRONIC FACILITIES, OR [REDACTED] WHICH MIGHT BE RELATED TO ABM DEPLOYMENT OBSERVED. AT SA-1 SAM SITE E24-1, THE PREVIOUSLY REPORTED PROBABLE SECOND BUILDING TRIAD UNDER CONSTRUCTION CAN NOW BE CONFIRMED. THE SECOND TRIAD IS IN AN EARLY STAGE OF CONSTRUCTION AND CONSISTS OF 3 EXCAVATIONS ARRANGED IN THE TYPICAL TRIANGULAR CONFIGURATION. AT THE ORIGINAL TRIAD THE ENVIRONMENTAL SHELTERS ARE COMPLETE ON BOTH OF THE SMALL TRIAD BUILDINGS. AT THE LARGE BUILDING, THE SPHEROIDAL-SHAPED SHELTER IS NEARLY COMPLETE WITH ONLY THE CAPPING SECTION LEFT TO BE EMPLACED. THE CAPPING SECTION FOR THE SHELTER IS ON THE GROUND AT THE WEST CORNER OF THE BUILDING. CONSTRUCTION REMAINS AT A STANDSTILL AT THE TRIAD FACILITY LOCATED AT SA-1 SAM SITE E15-1. NO SIGNIFICANT CHANGES NOTED AT THE TRIADS LOCATED AT SA-1 SAM SITES E31-1 AND E33-1, SINCE

25X1D

25X1D

NO APPARENT CHANGE NOTED AT THE FOLLOWING SA-1 SAM SITES SINCE [REDACTED] C02-1, C04-1, C05-1, C07-1, C09-1, C10-1, C12-1, C14-1, C16-1, C17-1, C19-1, C20-1, C22-1, C24-1, C25-1, C27-1, C28-1, C30-1, C31-1, C33-1, C34-1, C36-1, E01-1, E02-1, E12-1, E13-1, E14-1, E16-1, E17-1, E18-1, E19-1, E20-1, E21-1, E22-1, E23-1, E25-1, E26-1, E27-1, E28-1, E32-1, E34-1, E35-1 AND E36-1. THE REMAINDER OF THE SA-1 SAM SITES ARE EITHER CLOUD COVERED OR NOT COVERED.

(SEE ATTACHMENT)

25X1D

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

Handle Via
TALENT-KEYHOLE
Control System Only

TOP-SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

25X1A

LENINGRAD AMM/SAM LAUNCH COMPLEXES

UR 5955N 03020E

25X1D

25X1D

NO SIGNIFICANT CHANGES OR ADDITIONS SINCE [REDACTED] ARE OBSERVED AT THE LENINGRAD NW AMM/SAM LAUNCH COMPLEX. VEHICLES/PIECES OF EQUIPMENT ARE ON THE PERIMETER ROADS OF EACH LAUNCH SITE. THREE OF THE 5 POSITIONS OF THE ELECTRONIC SITE REMAIN OCCUPIED.

25X1D

25X1D

AT THE NE COMPLEX, CONSTRUCTION CONTINUES. AT THE ELECTRONIC SITE LOCATED IN THE VICINITY OF THE COMPLEX CONTROL CENTER. PROBABLE VEHICLES/PIECES OF EQUIPMENT ARE OBSERVED ON THE PERIMETER ROADS OF EACH LAUNCH SITE. A DARK IMAGE NOT DISCERNIBLE ON [REDACTED] IS LOCATED AT THE LAUNCH POINT OF EACH POSITION OF LAUNCH SITE B.

CONSTRUCTION CONTINUES AT THE ELECTRONIC SITE AT THE SW COMPLEX. VEHICLES/PIECES OF EQUIPMENT ARE ALONG THE PERIMETER ROAD OF LAUNCH SITE E AND POSSIBLY AT SITES C AND D. EACH LAUNCH POINT OF LAUNCH SITE E APPEARS OCCUPIED.

NO SIGNIFICANT CHANGE IS OBSERVED AT THE AMM/SAM TRAINING SITE COLLOCATED WITH LENINGRAD SAM TRAINING FACILITY C-06.

25X9

[REDACTED] OR NEW ELECTRONIC FACILITIES ASSOCIATED WITH AMM/SAM LAUNCH COMPLEXES, OR NEW AMM/SAM FACILITIES IDENTIFIED WITHIN A 40-NM-RADIUS SEARCH OF LENINGRAD.

25X1D

25X1A

SKRUNDA DUAL HEN HOUSE

UR 5643N 02157E

25X1D

NO APPARENT CHANGE SINCE [REDACTED]

25X1D

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

PEIPING PROBABLE SAM SITE

CH 3948N 11702E BONUS 1

30.5 NM ESE OF PEIPING AT 39-48-10N 117-02-10E.

PROBABLE SA-2 SAM SITE, UNDER CONSTRUCTION, CONSISTS OF 3 MISSILE HOLD POSITIONS AND AN INNER SERVICE ROAD IN A STAR CONFIGURATION.

(SEE ATTACHMENT)

25X1D

20

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

Air Facilities

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

AIR FACILITIES

25X1A

CHEPELEVKA AIRFIELD

UR 4947N 03026E

AIRCRAFT -- 11 BEAR, 23 PROBABLE BEAR, AND 1 MEDIUM STRAIGHT-WING ON PARKING APRONS AND HARDSTANDS ALONG TAXIWAY, AND AT LEAST 18 UNIDENTIFIED SMALL SWEEP-WING IN WEAPONS LOADING AREA.

NO NEW FACILITIES OBSERVED.

25X1D

DOLON AIRFIELD

UR 5032N 07912E

AIRCRAFT -- 1 UNIDENTIFIED ON TAXIWAY AND AT LEAST 10 POSSIBLE DISCERNIBLE ON PARKING APRON.

NO ASM OBSERVED.

NO NEW CONSTRUCTION OR CHANGES TO FACILITIES DISCERNIBLE.

25X1D

ENGELS AIRFIELD

UR 5129N 04611E

AIRCRAFT -- 28 BEAR/BISON ON MAIN PARKING APRON, AND 2 PROBABLE BADGER, 1 MEDIUM AND 4 LIGHT STRAIGHT-WING ON SW PARKING APRONS.

25X1D

SIAULIAI AIRFIELD

UR 5553N 02323E

NO NEW FACILITIES OBSERVED.

25X1D

AIRCRAFT -- [REDACTED] -- 8 HEAVY SWEEP-WING AND 1 LIGHT STRAIGHT-WING ON HARDSTANDS ALONG LOOP TAXIWAY. NO ASMS OBSERVED.

25X1D

AIRCRAFT -- [REDACTED] -- 7 HEAVY SWEEP-WING ON HARDSTANDS ALONG LOOP TAXIWAY. NO ASMS OBSERVED.

25X1D

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

25X1D

BARANOVICHI AIRFIELD

UR 5306N 02603E

AIRCRAFT -- 17 PROBABLE BLINDER, 17 POSSIBLE BADGER AND
3 SMALL PROBABLE FIGHTER.

25X1D

MINSK/MACHULISHCHE AIRFIELD

UR 5347N 02735E

25X1D

NO APPARENT CHANGE SINCE

AIRCRAFT -- 15 BLINDER, 4 BADGER, 1 MEDIUM
STRAIGHT-WING AND 3 LIGHT STRAIGHT-WING.

25X1D

CHERVONO-GLINSKOYE AIRFIELD

UR 4557N 02923E

25X1D

NO APPARENT CHANGE SINCE

AIRCRAFT -- 2 MEDIUM STRAIGHT-WING.

25X1D

BYKHOV AIRFIELD

UR 5331N 03012E

25X1D

AIRCRAFT -- 23 PROBABLE BADGER.

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

PRILUKI AIRFIELD

UR 5034N 03219E

AIRCRAFT -- 41 BADGER.

A PROBABLE DRIVE-THROUGH BUILDING IS UNDER CONSTRUCTION
WITHIN THE WEAPONS LOADING AREA.

25X1D

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

25X1A

ORSHA AIRFIELD SOUTHWEST

UR 5426N 03018E

AIRCRAFT -- 33 BADGER.

A NEWLY IDENTIFIED DRIVE-THROUGH, T-SHAPED BUILDING WITH A RECTANGULAR ROAD PATTERN IS LOCATED 1 NM SOUTH OF THE CENTER OF THE RUNWAY.

25X1D

BELAYA TSEKOV AIRFIELD

UR 4947N 03001E

AIRCRAFT -- 4 BEAR, 3 PROBABLE BEAR, 1 POSSIBLE BEAR, AND 45 PROBABLE BADGER ON HARDSTANDS ALONG LOOP TAXIWAY AND 7 PROBABLE BADGER IN MAINTENANCE AREA.

A T-SHAPED DRIVE-THROUGH BUILDING SERVED BY A LOOP ROAD OBSERVED ADJACENT TO THE LOOP TAXIWAY AND SOUTH OF THE EAST END OF AN ABANDONED RUNWAY/PARKING APRON.

25X1D

RYAZAN/DYAGILEVO AIRFIELD

UR 5439N 03935E

AIRCRAFT -- 2 BEAR/BISON IN HARDSTAND AREA, 1 BEAR/BISON AT HANGAR/MAINTENANCE AREA, 1 PROBABLE BADGER ON GRASS NE OF HARDSTAND AREA AND 4 LIGHT STRAIGHT-WING IN HARDSTAND AREA.

25X1D

NEZHIN AIRFIELD

UR 5105N 03152E

AIRCRAFT -- 2 PROBABLE BADGER AND 2 SMALL SWEEP-WING.

25X1D

NO APPARENT CHANGE SINCE
CONSTRUCTION CONTINUES ON RUNWAY EXTENSION.

25X1D

ANISOVO GORODISHCHE AIRFIELD

UR 5414N 03422E

AIRCRAFT -- 26 MEDIUM SWEEP-WING ON MAIN PARKING APRON AND HARDSTANDS ALONG EAST SIDE OF RUNWAY, 4 MEDIUM SWEEP-WING IN MAINTENANCE AREA, AND 12 MEDIUM

Handle Via
Talent-Keyhole
Control System Only

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

SWEPT-WING ON HARDSTANDS SW OF RUNWAY.

25X1D

25X1A

GOMEL/PRIBYTKI AIRFIELD

UR 5218N 03110E

AIRCRAFT -- 36 BLINDER, 15 BADGER AND 1 POSSIBLE
BADGER.

NO NEW CONSTRUCTION OR CHANGES TO FACILITIES OBSERVED.

25X1D

BOBRUYSK AIRFIELD

UR 5306N 02912E

25X1D

NO APPARENT CHANGE SINCE [REDACTED] EXCEPT AN
ADDITIONAL PROBABLE BUILDING FOUNDATION HAS BEEN ADDED
TO THE UNIDENTIFIED CONSTRUCTION ACTIVITY NE OF THE
AIRFIELD.

AIRCRAFT -- 39 BADGER AND 1 POSSIBLE BADGER.

25X1D

ALEKSEYEVKA AIRFIELD

UR 4914N 14011E

AIRCRAFT -- 35 BADGER ON HARDSTANDS ALONG TAXIWAY, 8
BADGER ON MAIN PARKING APRON, 4 BADGER ON SMALL PARKING
APRON AT CROSSOVER TAXIWAY AND 4 BADGER ON SMALL
PARKING APRON AT WNW END OF RUNWAY.

25X1D

MIRGOROD AIRFIELD

UR 4956N 03339E

AIRCRAFT -- 12 PROBABLE BADGER PARKED ON HARDSTANDS
ALONG TAXIWAY, AND 1 PROBABLE BADGER PARKED ON GRASS
NORTH OF CENTER OF RUNWAY.

25X1D

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

25X1A

KALININ AIRFIELD

UR 5649N 03545E

NO APPARENT CHANGE SINCE MOST RECENT COVERAGE.

AIRCRAFT -- 41 BADGER.

25X1D

SOLTSY AIRFIELD

UR 5808N 03020E

25X1D NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

25X1D AIRCRAFT -- 48 BADGER AND 1 LIGHT
STRAIGHT-WING.

25X1D AIRCRAFT -- 50 BADGER, 6 PROBABLE BADGER
AND 1 LIGHT HELICOPTER.

25X1D

TARTU AIRFIELD

UR 5824N 02646E

25X1D AIRCRAFT -- 13 PROBABLE BADGER AND 6 MEDIUM
STRAIGHT-WING.

25X9

NO APPARENT CHANGE SINCE NO
MISSILE FACILITIES OBSERVED.

25X1D

KARANKUT AIRFIELD

UR 4534N 03416E

IDENTIFICATION ONLY.

25X1D

SARABUZ AIRFIELD

UR 4507N 03359E

IDENTIFICATION ONLY.

25X1D

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

25X1A

OSTROV/GOROKHOVKA AIRFIELD

UR 5718N 02826E

25X1D

NO APPARENT CHANGE SINCE [REDACTED]

AIRCRAFT -- 58 BADGER AND 2 MEDIUM STRAIGHT-WING.

25X1D

OKTYABRSKOYE AIRFIELD

UR 4519N 03406E

AIRCRAFT -- 14 BADGER, 2 POSSIBLE BADGER, 2 POSSIBLE
LIGHT STRAIGHT-WING, 8 POSSIBLE SMALL STRAIGHT-WING.

NO NEW CONSTRUCTION OR CHANGES TO FACILITIES
DISCERNIBLE.

25X1D

KIPELOVO AIRFIELD

UR 5911N 03907E

AIRCRAFT -- 5 PROBABLE BEAR, 1 MEDIUM STRAIGHT-WING AND
1 LIGHT STRAIGHT-WING.

CONSTRUCTION CONTINUES ON NORTH END OF PARKING APRON
AND ON CROSSOVER TAXIWAY. CONSTRUCTION EQUIPMENT
OBSERVED THROUGHOUT AREA.

(SEE ATTACHMENT)

25X1D

VORONEZH AIRCRAFT ASSEMBLY PLANT 64

UR 5138N 03915E

AIRCRAFT -- 12 CAT/CUB, 5 FIDDLER (1 IN A TEST
REVETMENT), 3 POSSIBLE CAB AND 1 POSSIBLE CRATE.

THE SMALL NEW SECTION ON THE EAST SIDE OF THE LARGE
SUB-ASSEMBLY BUILDING HAS BEEN COMPLETED. FINAL
CONSTRUCTION CONTINUES ON AN
ENGINEERING/LABORATORY-TYPE BUILDING ON THE WEST SIDE
OF THE PLANT. CONSTRUCTION ACTIVITY IN THE CENTER OF
THE PLANT CONSISTS OF AN EXCAVATION AND PROBABLE
FOUNDATIONS FOR AN ADDITION TO A SMALL ASSEMBLY
BUILDING.

(SEE ATTACHMENT)

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

25X1D

[REDACTED]

25X1A

KERCH/BAGEROVO AIRFIELD

UR 4524N 03616E

IDENTIFICATION ONLY.

25X1D

[REDACTED]

LEI-YANG AIRFIELD

CH 2635N 11253E

25X1D

AIRCRAFT -- 15 SMALL AIRCRAFT AND 8 LIGHT
STRAIGHT-WING.

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]

25X1D

[REDACTED]

LIU-CHOU AIRFIELD

CH 2417N 10923E

AIRCRAFT -- NONE OBSERVED IN CLOUD-FREE AREAS.

NO APPARENT CHANGE IN FACILITIES OBSERVED.

25X1D

[REDACTED]

KIROVSKOYE AIRFIELD

UR 4510N 03511E

AIRCRAFT -- 2 MEDIUM SWEEP-WING, 3 POSSIBLE MEDIUM
SWEEP-WING, 4 MEDIUM STRAIGHT-WING, 1 POSSIBLE MEDIUM
STRAIGHT-WING, 1 POSSIBLE HOOK, AT LEAST 26 SMALL
AIRCRAFT AND 5 POSSIBLE AIRCRAFT.

A POSSIBLE AAM STORAGE SITE CONTAINING 2 DRIVE-THROUGH
BUILDINGS, 1 LARGE DRIVE-IN BUILDING AND 5 SMALL
BUILDINGS IS JUST SE OF THE SE END OF RUNWAY. AN
UNIDENTIFIED FACILITY CONTAINING 1 PROBABLE
DRIVE-THROUGH BUILDING, 1 LARGE BUILDING AND 3 SMALLER
BUILDINGS IS JUST NORTH OF THE SE END OF RUNWAY.

25X1D

[REDACTED]

Nuclear Energy

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

25X1A

NUCLEAR ENERGY

PAO-TOU ATOMIC ENERGY COMPLEX

CH 4039N 10957E

ATOMIC ENERGY COMPLEX NOT COVERED.

25X1D

ON [REDACTED] APPROXIMATELY 3 PERCENT (IN THE SE
QUADRANT) OF THE SAM SEARCH AREA IS OBSERVED. NO SAM
ACTIVITY NOTED.

25X1D

ON [REDACTED] APPROXIMATELY 3 PERCENT (IN THE WSW
PORTION) OF THE SAM SEARCH AREA OBSERVED. NO SAM
ACTIVITY NOTED.

25X1D

[REDACTED]

25X9

[REDACTED]

**Naval
Activity/
Ports**

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

25X1A

NAVAL ACTIVITY/PORTS

KRONSTADT NAVAL BASE AND SHIPYARD

UR 5959N 02947E

VESSELS -- 5 MEDIUM SS, 1 CL, 6 DD, 1 POSSIBLE DD, AND
NUMEROUS SMALL PROBABLE COMBATANTS AND UNIDENTIFIED
SURFACE SHIPS. TWO MERCHANT SHIPS AND 1 POSSIBLE
SURFACE COMBATANT ARE IN GRAVING DOCKS.

25X1D

TALLINN NAVAL BASE & SHPYD MORSKOY ZAVOD

UR 5927N 02444E

VESSELS -- 1 CL, 6 DD, 3 DE, 2 PROBABLE FLOATING DOCKS,
AND NUMEROUS SMALLER SURFACE CRAFT.

25X1D

RIGA NAVAL BASE & SHPYD BOLDERAJA

UR 5703N 02402E

VESSELS -- 5 MEDIUM SS AT OFFSHORE WHARVES IN WESTERN
SECTOR, 2 MEDIUM SS, 1 POSSIBLE SS AT OFFSHORE WHARVES
IN NE SECTOR, 10 PROBABLE DE, 12 PROBABLE PC AT QUAY IN
SE SECTOR AND 3 POSSIBLE SS AT OFFSHORE WHARVES IN SE
SECTOR.

25X1D

25X1D NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

KRASNOARMEYSK AREA CANAL LOCKS

UR 4825N 04429E

25X1D NO NAVAL VESSELS, SUBMARINES, OR TRANSPORTERS OBSERVED.
25X1D NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

25X1D

25X9

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**Electronics/
Communications**

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

ELECTRONICS/COMMUNICATIONS

25X1A

NARO-FOMINSK SUSP AMM PHASED-ARRAY RADAR UR 5529N 03641E

CONSTRUCTION APPEARS TO BE CONTINUING ON THE DOGHOUSE. THE VERTICAL MULLIONS OF THE SSE FACE ARE STILL EXPOSED, WITH NO FACING MATERIAL YET EMPLACED. THE NNW FACE IS IN DEEP SHADOW AND THE CURRENT CONSTRUCTION STATUS CANNOT BE DETERMINED. IN OPERATIONAL AREA B, WORK CONTINUES ON THE SUSPECT ANTENNA ADJACENT TO THE SSE SIDE OF THE CONTROL BUILDING. AT THE SUSPECT ANTENNA ON THE NNW SIDE OF THE CONTROL BUILDING, 2 PROBABLE COVERED PASSAGEWAYS ARE NOW DISCERNIBLE CONNECTING THE ANTENNA WITH THE BUILDING.

NO SIGNIFICANT CHANGES NOTED AT SUPPORT AREAS A & B.

25X1D

KERSTOVO RADAR TRACKING FACILITY

UR 5928N 02849E

THIS FACILITY, PREVIOUSLY REPORTED AS A PROBABLE H-CONFIGURED SITE UNDER CONSTRUCTION, IS NOW CONFIRMED AS A COMPLETED TYPE-1 H-SHAPED FACILITY WITH AN ADJACENT ADDITIONAL RADAR OPERATIONS AREA CONTAINING A LARGE CONTROL BUNKER AND AT LEAST 4 RADAR MOUNDS. THE 2 AREAS TOGETHER BEAR SOME RESEMBLANCE TO THE KAMYSHIN TYPE FACILITY NORTH OF THE KYMTC SAM RANGEHEAD. ORIENTATION OF THE 2 RADAR TOWERS AT THE TYPE-1 FACILITY IS NW.

THE SUPPORT AREA WSW OF THE FACILITY CONTAINS APPROXIMATELY 25 BUILDINGS.

25X1D

TOLMACHEVO RADAR TRACKING FACILITY

UR 5852N 02956E

BONUS 1

1 NM NE OF TOLMACHEVO.

NEWLY IDENTIFIED H-SHAPED RADAR TRACKING FACILITY (POSSIBLY UNDER CONSTRUCTION). POOR QUALITY PHOTOGRAPHY PRECLUDES FURTHER INTERPRETATION.

25X1D

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

ELISENVAARA RADAR TRACKING FACILITY

UR 6123N 02947E BONUS 2

1 NM SE OF ELISENVAARA, 8 NM SE OF FINNISH BORDER.

NEWLY IDENTIFIED H-SHAPED RADAR TRACKING FACILITY
(PROBABLY UNDER CONSTRUCTION). POOR QUALITY
PHOTOGRAPHY PRECLUDES FURTHER INTERPRETATION.

25X1D

VYBORG RADAR TRACKING FACILITY

UR 6038N 02814E BONUS 3

16 NM WEST OF VYBORG.

NEWLY IDENTIFIED H-SHAPED RADAR TRACKING FACILITY.
POOR QUALITY PHOTOGRAPHY PRECLUDES FURTHER
INTERPRETATION.

25X1D

Military Activity

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

MILITARY ACTIVITY

25X1A

ELBASAN SPECIAL AREA

AL 4053N 02020E

ENTIRE SEARCH AREA COVERED ON CLEAR, GOOD PHOTOGRAPHY.
ONLY THE FOLLOWING INSTALLATIONS ARE IDENTIFIED AS
MILITARY --

A BARRACKS AREA ON THE WEST EDGE OF TIRANE AT 41-19N
019-47E CONTAINS 1 ADMINISTRATION BUILDING, 1
BARRACKS/ADMINISTRATION BUILDING, 8 BARRACKS, 6
POSSIBLE BARRACKS, 20 STORAGE BUILDINGS, 6 SUPPORT
BUILDINGS, 2 VEHICLE MAINTENANCE BUILDINGS, AN ATHLETIC
FIELD, A POSSIBLE PARADE GROUND, AND AN OBSTACLE
COURSE. APPROXIMATELY 10 VEHICLES/PIECES OF EQUIPMENT
OBSERVED IN AREA.

A BARRACKS AREA ON THE SOUTH EDGE OF ELBASAN AT 41-06N
020-04E CONTAINS 2 BARRACKS/ADMINISTRATION BUILDINGS, 1
ADMINISTRATION BUILDING, 6 BARRACKS, 2 VEHICLE
MAINTENANCE/STORAGE BUILDINGS, AND 5 SUPPORT BUILDINGS,
14 VEHICLE/PIECES OF EQUIPMENT OBSERVED IN AREA.

PHOTO REFERENCES FOR SIGNIFICANT ITEMS --

25X1D

TIRANE BARRACKS AREA --

ELBASAN BARRACKS AREA --

25X1D

**Other
Activity**

Handle Via
Talent-Keyhole
Control System Only

TOP SECRET CHESS RUFF
MISSION 1023-2 23-26 AUG 65

TCS-81150/65

OTHER ACTIVITY

25X1A

ZHUKOVKA SENSITIVE OPS CMLX OPS AREA UR 5333N 03357E

BUNKER 5 IS NEARING COMPLETION BUT IS NOT YET EARTH COVERED. CONSTRUCTION CONTINUES ON BUNKER 6. A SMALL DRIVE-THROUGH BUILDING IS UNDER CONSTRUCTION APPROXIMATELY 1,000 FT NORTH OF THE LONG DRIVE-THROUGH BUILDING. EARTH-SCARRING IS IN PROGRESS ON THE NORTH SIDE OF THE CENTRAL SERVICE ROAD APPROXIMATELY 4,500 FT WNW OF THE BRIDGE CRANE.

25X1D

ZHUKOVKA SENSITIVE OPS CMLX SUPT AREA UR 5329N 03353E

A LONG NARROW BUILDING HAS BEEN ADDED WITHIN THE MOTOR POOL. ROOFING OF THE BUILDING IS IN PROGRESS.

25X1D

BULYZHINO SENSITIVE OPERATIONS COMPLEX UR 5615N 02819E

25X1D

NO CHANGES SINCE

25X1D

CHAADAYEVKA SENSITIVE OPERATIONS COMPLEX UR 5307N 04602E

SIX LARGE AND 2 SMALLER BUILDINGS HAVE BEEN BUILT IN THE MILITARY HOUSING FACILITIES AT THE SW END OF THE RAIL FACILITY. NEW ROADS HAVE BEEN CLEARED SW AND SE OF THE MILITARY HOUSING FACILITIES, AND 8 NEW DORMITORY-TYPE BUILDINGS HAVE BEEN BUILT IN THE CONSTRUCTION WORKERS HOUSING AREA. NO EVIDENCE OF FURTHER CONSTRUCTION ON BUNKERS 1, 2, OR 3. A NEW BUNKER IS UNDER CONSTRUCTION APPROXIMATELY 2,600 FT NE OF BUNKER 1. CONSTRUCTION CONTINUES ON BUNKER 4. ALTHOUGH PART OF THE BUNKER HAS BEEN BUILT IN THE EXCAVATION, THE SPOIL PILE SOUTH OF THE BUNKER HAS BEEN GREATLY ENLARGED. A NEW BUNKER EXCAVATION IS APPROXIMATELY 3,000 FT EAST OF BUNKER 4, AND A BUNKER IS UNDER CONSTRUCTION IN A PREVIOUSLY REPORTED AREA OF EARTH-SCARRING, 3,000 FT WNW OF BUNKER 4. ALL THESE CHANGES HAVE OCCURRED SINCE

25X1D

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25X1D

[REDACTED]

25X1A

CHEBSARA SENSITIVE OPERATIONS COMPLEX UR 5906N 03837E

BUNKER 5 IS NOW COMPLETE AND IS BEING EARTH COVERED.
CONSTRUCTION CONTINUES ON BUNKER 4. THREE FAGOT
AIRCRAFT REMAIN OUTSIDE OPERATIONS AREA NEAR THE STEAM
PLANT. NO CHANGES IN RAIL FACILITY OR IN MILITARY
HOUSING FACILITIES.

25X1D

[REDACTED]

BELEV SENSITIVE OPERATIONS COMPLEX UR 5332N 03630E

25X1D

NO APPARENT CHANGE SINCE [REDACTED]

25X1D

[REDACTED]

Index

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INDEX OF COMOR TARGETS

25X1A
COMOR

INSTALLATION NAME

CTY COORDINATES OAK

PLESETSK ICBM COMPLEX	UR 6254N 04038E 1
TYURATAM MISSILE TEST CENTER	UR 4538N 06317E 2
KOSTROMA ICBM COMPLEX	UR 5746N 04101E 2
PERM ICBM COMPLEX	UR 5742N 05619E 1
TEYKOVO ICBM COMPLEX	UR 5652N 04034E 1
YEDROVO ICBM COMPLEX	UR 5751N 03340E 1
KOZELSK ICBM COMPLEX	UR 5356N 03549E 1
ZHANGIZ-TOBE ICBM COMPLEX	UR 4912N 08109E 1
IMENI GASTELLO ICBM COMPLEX	UR 5107N 06618E 1
TATISHCHEVO ICBM COMPLEX	UR 5140N 04534E 1
AKHTYRKA MRBM LAUNCH SITE 1	UR 5015N 03450E 2
MARINA GORKA MRBM LAUNCH SITE	UR 5326N 02745E 2
BEREZA IRBM LAUNCH SITE	UR 5143N 03343E 2
SARY-SHAGAN ANTIMISSILE TEST CENTER	UR 4602N 07334E 1
EMBA MISSILE TEST CENTER	UR 4835N 05804E 1
DNEPROPETROVSK MISSILE DEVELOP PROD CTR	UR 4826N 03459E 1
VORONEZH ROCKET ENGINE TEST FACILITY	UR 5134N 03908E 2
TAI-YUAN SOLID PROPELLANT TEST FACILITY	CH 3759N 11233E 1
PEIPING RKT ENG TEST FAC CHANG-HSIN-TIEN	CH 3950N 11608E 2
ORENBURG AIRFRAME PLANT 47	UR 5148N 05507E 2
UFA STATIC TEST FACILITY	UR 5459N 05604E 1
PERM PROB SOLID PROPELLANT TEST FACILITY	UR 5758N 05549E 1
KAMENSK-SHAKHTINSKIY RKT MOTOR TEST FAC	UR 4819N 04016E 2
OPAVA POSSIBLE MRBM SITE	CZ 4957N 01755E 2
OSTROG PROB INDUSTRIAL INSTALLATION	UR 5025N 02631E 2
BALABANOVO SUSPECT MISSILE ACTIVITY	UR 5511N 03640E 2
MOSCOW SUSPECT ABM AREA	UR 5545N 03737E 2
LENINGRAD AMM/SAM LAUNCH COMPLEXES	UR 5955N 03020E 2
TALLINN AMM/SAM LAUNCH COMPLEX	UR 5924N 02419E 1
CHERPOVETS AMM/SAM LAUNCH COMPLEX	UR 5906N 03810E 1
SKRUNDA DUAL HEN HOUSE	UR 5643N 02157E 2
CHEPELEVKA AIRFIELD	UR 4947N 03026E 2
DOLON AIRFIELD	UR 5032N 07912E 2
ENGELS AIRFIELD	UR 5129N 04611E 2
SIAULIAI AIRFIELD	UR 5553N 02323E 2
BARANOVICHI AIRFIELD	UR 5306N 02603E 2
MINSK/MACHULISHCHE AIRFIELD	UR 5347N 02735E 2
CHERVONO-GLINSKOYE AIRFIELD	UR 4557N 02923E 2
BYKHOV AIRFIELD	UR 5331N 03012E 2
PRILUKI AIRFIELD	UR 5034N 03219E 2
ORSHA AIRFIELD SOUTHWEST	UR 5426N 03018E 2
BELAYA TSERKOV AIRFIELD	UR 4947N 03001E 2
RYAZAN/DYAGILEVO AIRFIELD	UR 5439N 03935E 2
ZHITOMIR/SKOMORKHI AIRFIELD	UR 5010N 02844E 1
NEZHIN AIRFIELD	UR 5105N 03152E 2

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25X1A

ANISOVO GORODISHCHE AIRFIELD
GOMEL/PRIBYTKI AIRFIELD
BOBRUYSK AIRFIELD
ALEKSEYEVKA AIRFIELD
MIRGOROD AIRFIELD
KALININ AIRFIELD
SOLTSY AIRFIELD
TARTU AIRFIELD
KARANKUT AIRFIELD
SARABUZ AIRFIELD
OSTROV/GOROKHOVKA AIRFIELD
OKTYABRSKOYE AIRFIELD
KIPELOVO AIRFIELD
RAMENSKOYE FLIGHT TEST CENTER
VORONEZH AIRCRAFT ASSEMBLY PLANT 60
KERCH/BAGEROVO AIRFIELD
LEI-YANG AIRFIELD
LIU-CHOU AIRFIELD
KIROVSKOYE AIRFIELD

25X9

UR 5414N 03422E 2
UR 5218N 03110E 2
UR 5306N 02912E 2
UR 4914N 14011E 2
UR 4956N 03339E 2
UR 5649N 03545E 2
UR 5808N 03020E 2
UR 5824N 02646E 2
UR 4534N 03416E 2
UR 4507N 03359E 2
UR 5718N 02826E 2
UR 4519N 03406E 2
UR 5911N 03907E 2
UR 5533N 03808E 1
UR 5138N 03915E 2
UR 4524N 03616E 2
CH 2635N 11253E 2
CH 2417N 10923E 2
UR 4510N 03511E 2

KRONSTADT NAVAL BASE AND SHIPYARD
SHANG-HAI NAVAL BASE & SHIPYARD KIANGNAN
CHING-TAO SUBMARINE BASE
CHING-TAO NAVAL DOCKYARD
CHING-TAO NAVAL INSTALLATION
TALLINN NAVAL BASE & SHPYD MORSKOY ZAVOD
RIGA NAVAL BASE & SHPYD BOLDERAJA
GORKIY SHIPYARD & HEAVY EQUIP PLT 112
LENINGRAD SHIPYARD SUDOMEKH 196
LENINGRAD SHIPYARD ZHDANOV 190
LENINGRAD SHIPYARD ADMIRALTY 194
LENINGRAD SHIPYARD BALTIYSK ORDZH 189
KRASNOARMEYSK AREA CANAL LOCKS

UR 5959N 02947E 2
CH 3112N 12129E 1
CH 3604N 12019E 1
CH 3604N 12019E 1
CH 3606N 12032E 1
UR 5927N 02444E 2
UR 5703N 02402E 2
UR 5622N 04352E 1
UR 5956N 03017E 1
UR 5952N 03014E 1
UR 5955N 03016E 1
UR 5955N 03016E 1
UR 4825N 04429E 2

SIMFEROPOL SPACE TRACKING FACILITY
NARO-FOMINSK SUSP AMM PHASED-ARRAY RADAR
KERSTOVO RADAR TRACKING FACILITY
KUEI-LIN ARMY BARRACKS
HENG-YANG AMMUNITION DEPOT ENE FEN-SHUI-AOCH
MIAO-TANG SPECIAL AREA
SHENGJIN SPECIAL AREA
SHKODER SPECIAL AREA

UR 4503N 03353E 1
UR 5529N 03641E 2
UR 5928N 02849E 2
CH 2511N 11020E 1
CH 2656N 11243E 1
CH 2835N 10700E 1
AL 4143N 01958E 1
AL 4217N 01945E 1

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TOP SECRET CHESS RUFF

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25X2

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TOP SECRET CHESS RUFF
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25X1A



PERMET SPECIAL AREA
ELBASAN SPECIAL AREA
SUMPERK SPECIAL AREA
ZHUKOVKA SENSITIVE OPS CMLX OPS AREA
ZHUKOVKA SENSITIVE OPS CMLX SUPT AREA
BULYZHINO SENSITIVE OPERATIONS COMPLEX
CHAADAYEVKA SENSITIVE OPERATIONS COMPLEX
MIKHAYLOVKA SENSITIVE OPERATIONS COMPLEX
BORISOGLEBSK SENSITIVE OPERATIONS COMPLEX
CHEBSARA SENSITIVE OPERATIONS COMPLEX
GOLOVCHINO SENSITIVE OPERATIONS COMPLEX
RECHITSA SENSITIVE OPERATIONS COMPLEX
BELEV SENSITIVE OPERATIONS COMPLEX

AL 4020N 02008E 1
AL 4053N 02020E 2
CZ 5005N 01713E 1
UR 5333N 03357E 2
UR 5329N 03353E 2
UR 5615N 02819E 2
UR 5307N 04602E 2
UR 4849N 03217E 1
UR 5125N 04157E 1
UR 5906N 03837E 2
UR 5034N 03545E 1
UR 5226N 03005E 1
UR 5332N 03630E 2

Attachments

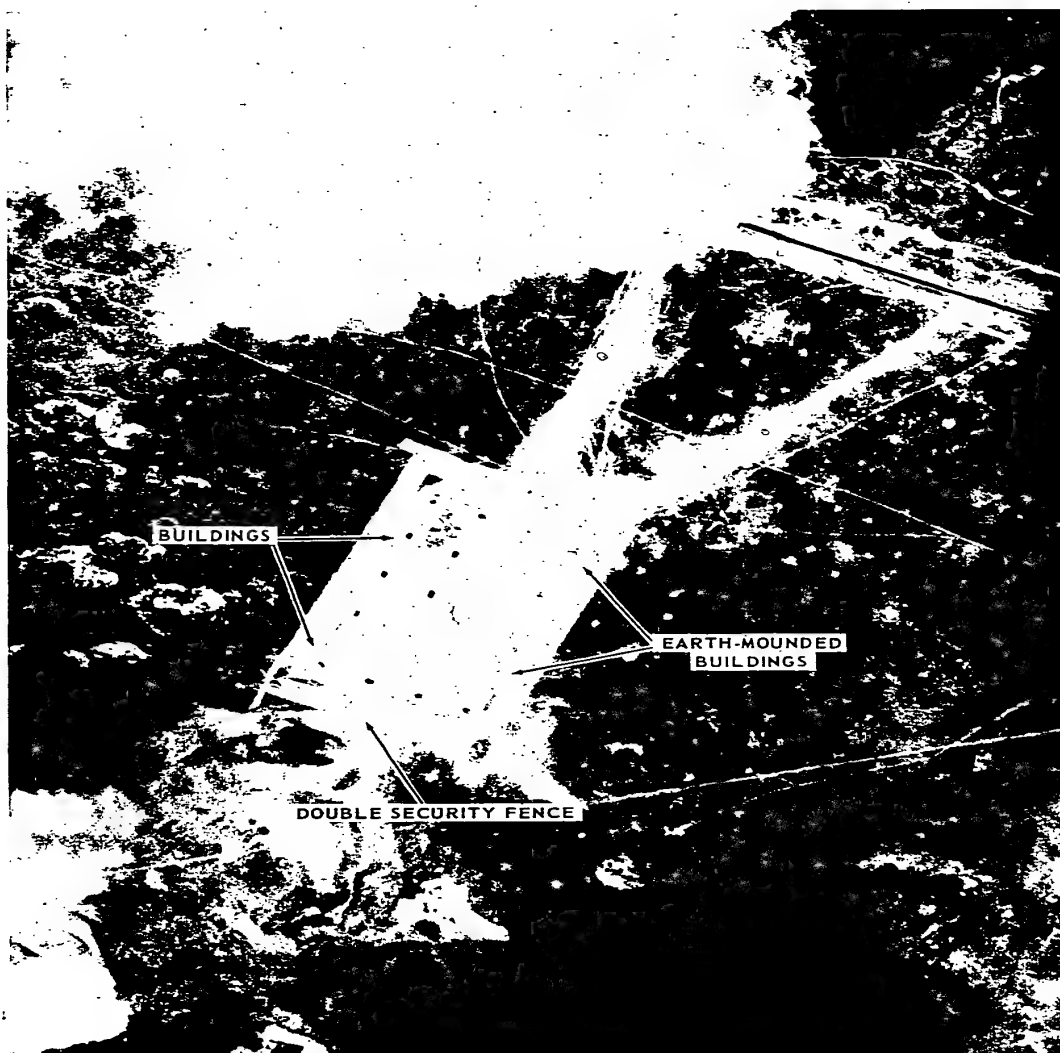
Handle Via
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TOP SECRET CHESS RUFF

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ATTACHMENT 1



PROBABLE STORAGE AREA WEST OF LAUNCH COMPLEX D, TYURATAM MISSILE TEST CENTER, USSR

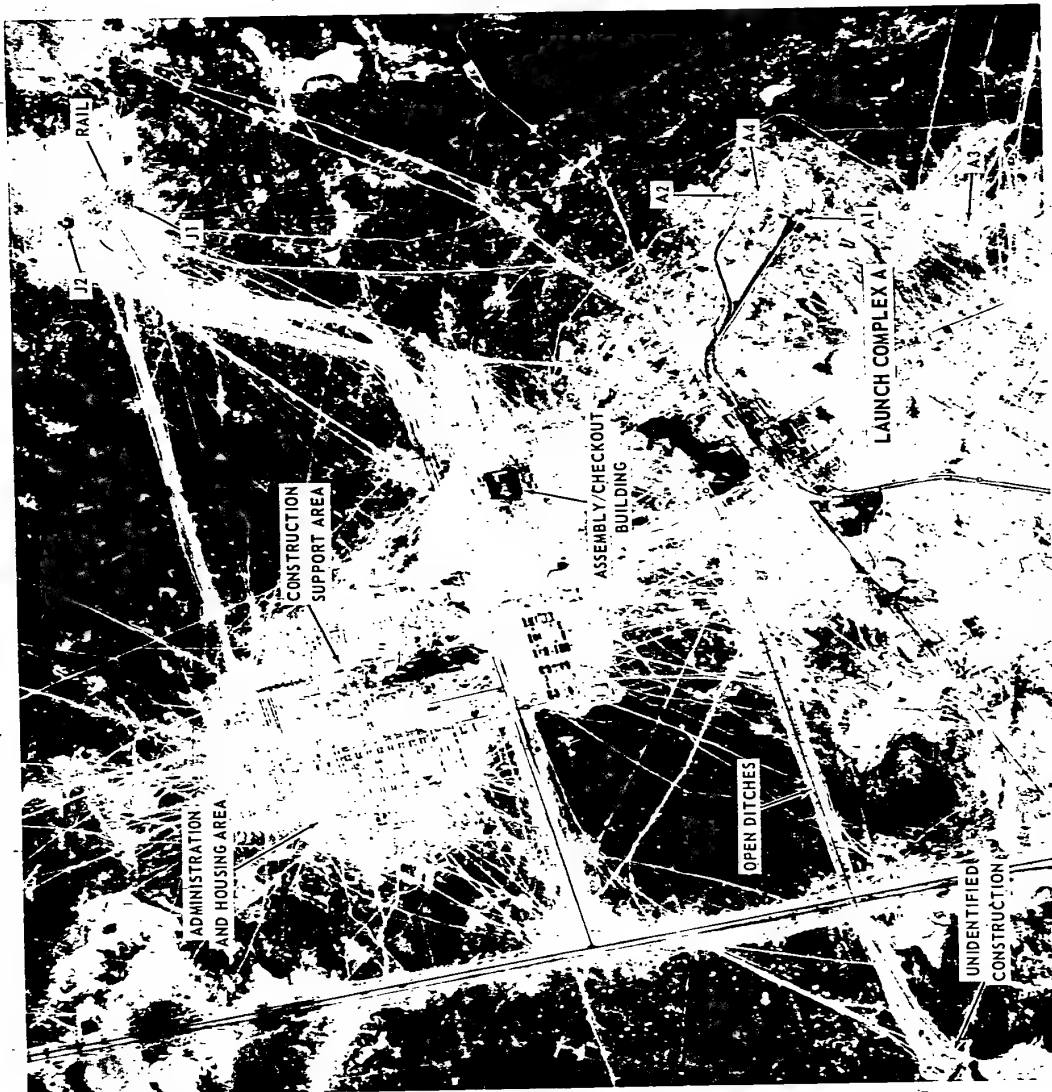
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ATTACHMENT 2



TOP SECRET CHESS RUFF

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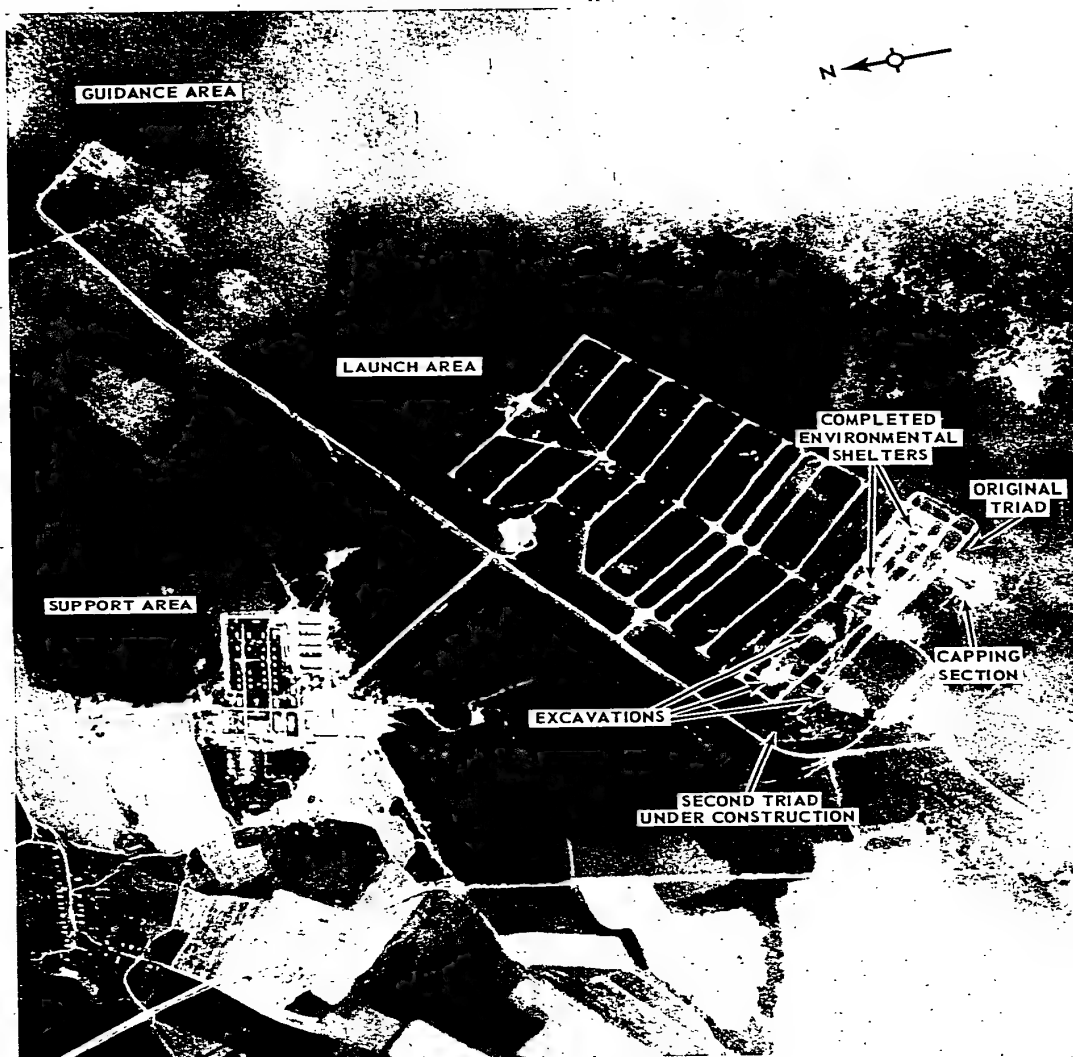
Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

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ATTACHMENT 3



SAM SITE E24-1, MOSCOW, USSR

NPIC R-3784 (8/65)

TOP SECRET CHESS RUFF

Handle Via
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ATTACHMENT 4



PROBABLE SA-2 SAM SITE, PEIPING, CHINA

NPIC R-3785 18 881

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

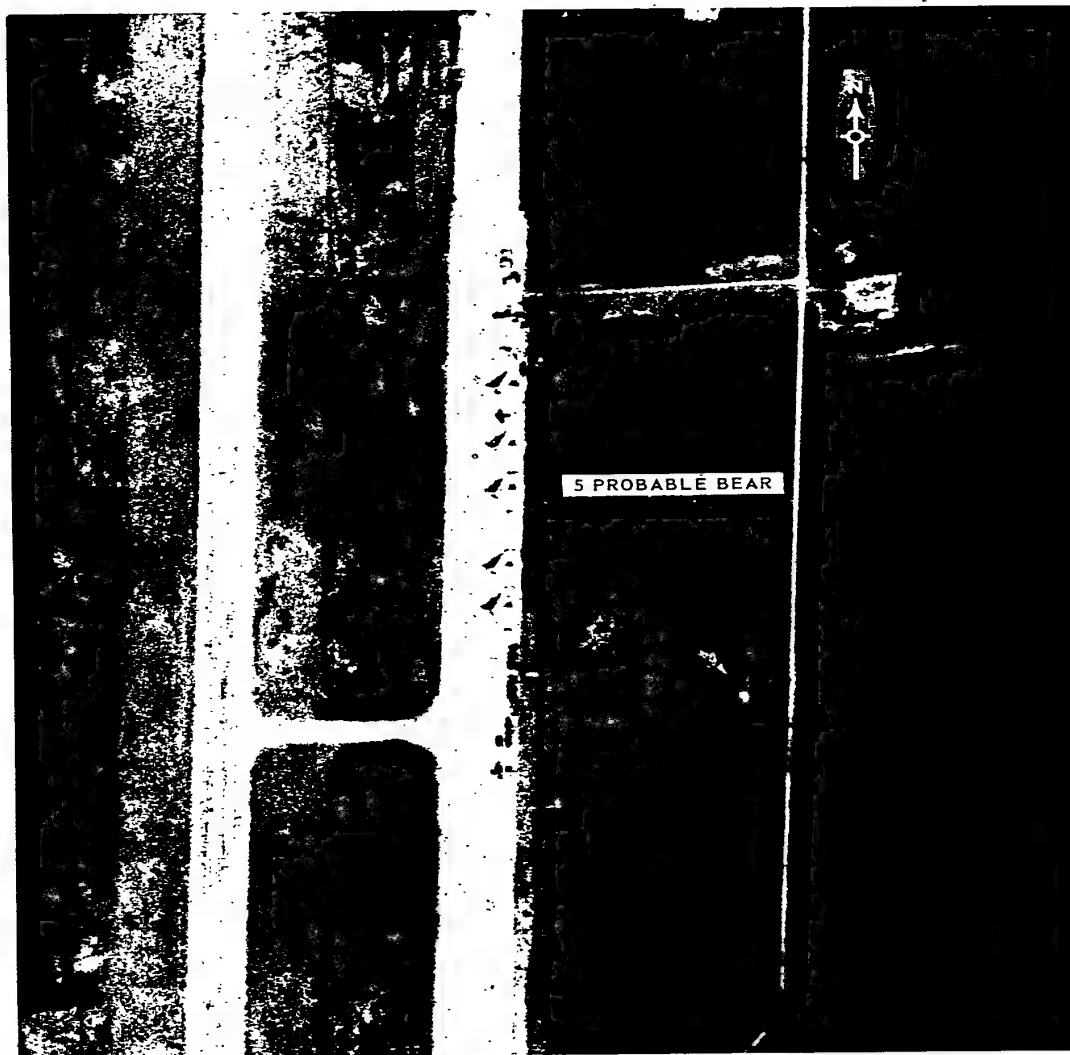
Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

MISSION 1023-2, 23-26 AUGUST 1965

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ATTACHMENT 5



KIPELOVO AIRFIELD, USSR

NPIC K-3785 (8-65)

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

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ATTACHMENT 6



AIRCRAFT ASSEMBLY PLANT 64, VORONEZH, USSR

NPIC H-3787 (S-65)

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

25X9

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Approved For Release 2001/06/09 : CIA-RDP78T05439A000500300011-5

TOP SECRET

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<i>ED 31 Aug 1966</i>	
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CHECKED	
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TOP SECRET

TOP SECRET

S-	S 19196
int/	date
APP ED	31 Aug 1966
CODING	
CLEAR	
RELEASED	

TOP SECRET